

2/5

Figure 1 (Continued I)

	351				400
Mur. tbc1	AQLCEGCPLQ	GLHKLCERIE	GMNSSKTKLE	LQKHLTTLTN	QEQTIFEEV
TBC-1	aqlcegcplq	slhklcerie	gmsssktkle	lqkhlttltn	qegatifeev
dmu50542	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
celf35h12	VTLVVPHNIS	GTVKLIDAQG	KVLSSFSLVN	IRFCIRGESS	TSQNNCF.GI
Consensus	--L-----	---KL-----	---SS-----	-----	--Q---F---
	401				450
Mur. tbc1	QKLRPRNEQR	ENELIISFLR	CLYEEKQKEH	SHTGAPKQTL	QVAAENIGSD
TBC-1	qklrprneqr	eneliisflr	clyeekqkeh	ihigemkqts	qmaaenigse
dmu50542	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
celf35h12	SFTHKISVGE	HNSSDILHQC	HVFRTSKAET	AAKALYSFSY	AFSNKNVSSE
Consensus	-----	-N---I----	-----E-	-----	-----N--S-
	451				500
Mur. tbc1	LPPSASRFRL	DSLKNRAKRS	LTESLESILS	RGNKARGLQD	HSASVDLDSS
TBC-1	lppsatrfrl	dmlknkakrs	lteslesils	rgnkarrlqe	hsisvldss
dmu50542	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
celf35h12	SNRLEFQFES	ILEVKENDGT	VEKPSWKLCF	QHNGVFKVRR	DREKKIVVQL
Consensus	-----F--	-----	-----	--N-----	-----
	501				550
Mur. tbc1	TSSTLSNTSK	ELSMGDKEAF	PVSETSFKLL	GSSDDLSSDS	EGHIAEESAL
TBC-1	lsstlsntsk	epsvcekeaf	pisessfkll	gssedlssds	eshlpeepap
dmu50542	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
celf35h12	RQVARKKTID	GFLLNKKCF	GMLLAAGRNL	RHSDLQLLEM	DRNATGTDSA
Consensus	-----T--	-----K--F	-----L	--S-----	-----
	551				600
Mur. tbc1	LSPQQAFFFF	ANTLSHFPVE	CPAPPEPAQS	SPGVSQRKLM	RYHSVSTETP
TBC-1	lspqqafrrr	antlshfpie	cqepqparg	spgvsqrklm	ryhsvstetp
dmu50542	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
celf35h12	VFVIEA..NW	DPRVHMFVFL	NTETPRDTRV	FMTVAIDVIV	SEISEPIRFS
Consensus	-----A----	-----F--	-----P-----	---V-----	---S-----
	601				650
Mur. tbc1	HERKDFESKA	NHLGDTDGTP	VKTRRHSWRQ	QIFLRVATPQ	KACDSPSRYE
TBC-1	herkdfeska	nhlgdsggtp	vktrshswrq	qiflrvatpq	kacdssrye
dmu50542	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
celf35h12	MEAMSRVFHE	HERFYKTPQT	VVSEFTLVL	EVRI RTEKLL	ETHGNMLLS
Consensus	-E-----	-----V-----	-----R-----	-----	-----
	651				700
Mur. tbc1	DYSELGELPP	RSPLEPVCED	GPFQYRKKR	GRRHASFESC	GKRPSCSRSC
TBC-1	dyselgelpp	rsplepvcad	gpfaphqrkr	kghlvssesc	akrlffnryc
dmu50542	~~~~~	~~~~~	---MRKPAKRG	KRDAAELREL	WRTAIRQTIM
celf35h12	VPIDFAWQLE	GVYFLPTPSK	SCDQSDPNDR	KLTFISLESD	SDRKRSKQNL
Consensus	-----	-----P-----	-----R	K-----S-ES-	--R-----

3/5

Figure 1 (Continued II)

	701		750
Mur. tbc1	...LVRMEKE NQKLOASEND LLNKRLKLDY .EEITPCLKE VTTVWEKMLS		
TBC-1	...clgmeke nqklqasend llnkrlklrf mkeitpclke vttvwekmls		
dmu50542	...LNRMETE NAMLOARONE NELKRIKLDY .EEIVPCDKQ LIERWEQIIE		
celf35h12	GKSPSRMPTQ LLHPTGDDDES DCDEPLLSGS GKVSQECKEE HLEMWDQLIE		
Consensus	-----RME-E N--LQA--N- ---KRLKL-- --EI-PC-KE ----WE----		
	751		800
Mur. tbc1	.TPGRSKIKF DMEKVHSAVG QGVPRHHRGE IWKFLAEQFH LK HPFPSKQ		
TBC-1	.tpgrskikf dmeknhsavg qgvprhhrge lwkflaeqfh lk.hqfpskq		
dmu50542	RNSTQIGNKK DPKVLGHAIR TGVPRSKRGD VWTFLAEQHS MNTAPVDTKR		
celf35h12	NWDQQSD... RPQKISELVL DGTPDKLRGR VWOLLSNAI.....D		
Consensus	-----S--K- D--K---AV- -GVPR--RG- -W-FLAEQ-- -----K-		
	801		850
Mur. tbc1	QPK DVPYKE LLKGLTSQGH AILIDLGRTF PTHPYFSAQL GAGQLSLYNI		
TBC-1	qpk dvpkye llkqltsqgh ailidlgtrf pthpyfsaql gagglslyni		
dmu50542	FENFNTPYHM LLKHLETHQH AIFIDLGRTF PNHQFYKDPL GLGQLSLFNL		
celf35h12	QPDLEVKYHI FLSQPCPSEQ VIMRDIHRTF PAHDYFKESQ GKGQOSLYKI		
Consensus	QP----PY-- LLK-LT--QH AI-IDLGRTF P-H-YF---L G-GQLSLYNI		
	851		900
Mur. tbc1	LKAYS LLDQ EVGYCQGLSF VAGILLIEMS EEEAFKMLKF IMFDMGLRKO		
TBC-1	lkaycilldq evgyccglsf vagilrlhms eeeackmlkf livdmgliwvq		
dmu50542	LKAYS LLDQ ELGYCQGLSF ICGVILLHCD EANSQQLLKH IMFRRNMRTK		
celf35h12	SKVYS LYDE EVSYCQGLSF LAASLLIHP SEQAFCTLVK IMENYGLRDL		
Consensus	LKAYS-LLD- EVGYCQGLSF -AG-LLLHM- EE-AF--LK- LMF--GLR--		
	901		950
Mur. tbc1	YRPDMITLQI QMYQLSRLLH DYHRDLNHL EEHETGPPTY AAPWFLTVFA		
TBC-1	yripdmilqi qmyqlsrllh dyhrdlrnhl eeheagpsly aapwfltmfa		
dmu50542	YLPDMKKFQL QLYQLSRIVK DHPDLYVWL DQNDVSPPLY AAPWILTVES		
celf35h12	EKLGEDNLHL RFEQLTALLK DYIPDLSHHL EHIGLETHMY ASQWFLTLET		
Consensus	Y-PDM--LQ- Q-YQLSRLL- DY--DL--HL E-----P--Y AAPWFLT-F-		
	951		1000
Mur. tbc1	SQFPLGFVAR VFDMIFLQGS EVIFKVALSL LGSHKPLILQ HENLETIVDF		
TBC-1	sqfplgfvar vfdmiflqgt evifkvavsl lgshkplilq henletivdf		
dmu50542	SQFPLGFVAR VFDLLFLESS DVIFKFAIAL LSVHKQQLLA KONFEEIMDY		
celf35h12	AKFPLQMVFF ILDLFLSQGM NTIFHISLAL LDDAKTDLLO LD.FEGTLKY		
Consensus	SQFPLGFVAR VFD--FLQG- -VIFK-A--L L--HK---LQ --N-E-I-D-		
	1001		1050
Mur. tbc1	IKNTLPNLGL VQMEKTISQV FEMDIAKQLQ AYEVEYHVVO EELIESSPLS		
TBC-1	ikstlpnlgl vqmektinqv femdiakqlq ayevehhvlq eelidsspls		
dmu50542	LKTVVPKMEH TCMEQIMKLV FMSDIGKQLA EYNVEYNVLQ EEI.....TT		
celf35h12	FRVSLPRKYR T..EASTKCL IHKAVKFRNL HSKLEVYENE YKRIKELERE		
Consensus	-K--LP----- --ME-----V F-MDI-KQL- -Y-VE--V-Q EE-I-----		